

Mechanical Methods of Investigation. Use of
Tests for Hardness and Microhardness in the Study
of Contact Surfaces, by V. A. Kislik, 22 pp.

RUSSIAN, per, Izvestiya Laboratoriya, Vol. XIII,
No 1, 1947, pp 71-77.

Sci Trans Center
RT-1717

14,670

Scientific - Engineering

Doc 54 ONI/DEX

Application of Polarographic Method to the
Analysis of Coal-Ash Constituents, by I. A.
Korshunov et al

RUSSIAN, per, Zavod Lab, Vol XIII, No 3, 1947,
pp 301-303.

Butcher Tr 3257

Scientific - Chemistry
Jul CFS/DKX Price \$3.60

15,958

On Some New Methods of Chemical Analysis With the
Aid of Pyridine, Alpha-Picoline, and Hexamethyl-
enetetramine, by E. A. Ostroumov, 13 pp.

RUSSIAN, Izv. Zavod Lab, Vol XXII, 1947, pp 404-
410.

ABC Tr-1755

9192

Scientific - Chemistry Jan 54 CTB/DEX

Zavod Lab Vol 13, page 479-81 (1947)

Correlation in Impact Strength and Cross-Sectional
Reduction. By Sh. S. Manevich.

AEC Trans (avail. Brookhaven)

A Thermocouple for Liquid Steel, by V. S. Kocho;

RUSSIAN, per, Zavod Lab, Vol XIII, No 4, 1947,
pp 498-499.

Brutcher No 3263
\$2.60

Sci - Min/metals

40, 659

Experimental Basis of a Method of Sampling
and Preparing Laboratory Samples for Analysis,
by N. V. Baryshev, 24 pp.

RUSSIAN, no per, Zavod Lab, Vol XIII, No 5, 1947,
pp 521-532.

Sci Tr Center RT-2779

Scientific - Chemistry
Dec 55 CTS/DEX

29,408

Organic Exchange Mass-Organolites and Their Use in
Analytical Chemistry, by Lur's, Yu. Yu.

Full translation.

RUSSIAN, per, Zavod Lab. Vol XIII, USSR, 1949⁷, pp 532-
539.

AEC Tr 1257

Scientific - Chemistry

The Use of Organolites in Analytical Chemistry, by
Yu. Yu. Lur'e, N. A. Filippova.

Full translation.

RUSSIAN, ^{no,} ~~per~~, Zavod Labor, Vol XIII, USSR, 1947,
pp 539-547.

AEC Tr 1400

USSR
Scientific - Chemistry, Organolites

Oct: 52 CTS/DEX

Photocolorimetric Determination of Phosphorus and
Silicon in Ferrous Metals by E. I. Fogel'son, F. S.
Kazachkova.

Full translation.

RUSSIAN, per, Zavod Lab, Vol XIII, USSR, 1947,
pp 565-568.

0100 08-13-11-256
AEC Tr 1372

Scientific - Minerals, Metals, Physics, Phosphorus,
Silicon, Ferrous metals.

SEP 52 CTS/DEX

SPIKTOR, A.

Zavodskaya Laboratoriya, vol. 13, No. 5, 2 figures,
300 words; 1947.

Heating tinting of Metallographic Specimens.

Brutcher, Trans. Order No. 2051, \$1.20

NIKITINA, O. I.

Zavodskaya laboratoriya, vol. 13, No. 7, 1 figure,
1 table, 500 words; 1947.

Spectrographic Determination of Arsenic in Steel.

Erutcher Trans, Order No. 2013, \$1.20.

On the Qualitative Determination of
Variations, by M. A. Popov, 4 pp.

RUSSIAN, per, Zavod Lab, Vol XIII, 1947,
pp 680-682.

AEC Tr-5250

Sci - Chem
Oct 62

212,650

Chart for Determining the Hardness of Carbon
Steels as Function of the Conditions of Tem-
pering, by A. P. Gulayev, 7 pp.

RUSSIAN, per, Zavod Lab, Bol XIII, No 7, 1947,
pp 888, 889.

Sci

Aug 58

SLA R-2078

Butcher's Trans. 10/20

71,434

Application of Temperature-Gradient Apparatus to the
Study of the Austenite Decomposition in Alloy Steels,
by H. E. Karakiy, V. V. Balakin.

RUSSIAN, per, Zavod Lab, Vol XIII, No 7, 1947.

Butcher Tr No 2062

Scientific - Minerals/Metals

\$4.75

14,509

A Photoelectric Method of Determining Aluminum
in Steel, by T. P. Temirenko

RUSSIAN, per, Zavod Lab, XX Vol XIII, 1947,
pp 621-623.

AEC Tr 1163

Scientific - Minerals/Metals

Determination of Stresses in Plastic Torsion,
by N. M. Davidenkov, et al.

RUSSIAN, per, Zavod Lab, Vol. XIII, No 6,
1947, pp 720-727.

ASLIB GB 70/4402

Sci - Engr

192,071

Apr 62

NAKHIMOV, D. M.

Zavodskaya Laboratoriya, vol. 13, 1947, pp. 825—
832, 10 figures, 4 tables, 3800 words.

Simple Method For Developing Residual Tension
Stresses in Quenched Steel.

Butcher Trans, Order No. 2331, \$ 6.65

The Determination of Magnesium in Water by the
Colorimetric Titration Method, by V. Y. Adamovych,
6 pp.

RUSSIA, Zavod Lab, No 1947 13, 1947, pp 935-937

Sci Museum No 51/2815

Scientific - Chemistry

The Colorimetric Determination of Magnesium
With the Aid of Titanium Yellow, by G. S.
Streibman, 10 pp.

RUSSIAN, Zavod Lab, Vol 13, 1947, pp 950-954.

Sci Museum No 51/2857

Scientific

Determination of Columbium in the Presence of
Titanium, by V. S. Syrokovskii, N. G. Klimenko

RUSSIAN
Zhurnal, per, Zavod Lab, KXXX Vol XIII, 1947, No 9,
pp 1035-1038.

Butcher Order No 3022
Price ~~12.15~~ \$3.40

1383

Scientific - Metallurgy

Photocolprimetric Method for Determining Columbium
in Steel, by A. L. Davydov, Z. M. Vaisberg, L. E.
Burksar

RUSSIAN, per, Zavod Lab, Vol XIII, No 9, 1947, pp
1038-1043.

Butcher Order No 3023
Price \$4.80

Scientific - Minerals/Metals

Jun 53 CTB

2241

DROZDOV, V. V.

Zavodskaya Laboratoriya, vol. 13, No. 10, 2 tables.
600 words; 1947.

Rapid Determination of Copper in Nickel Plating Baths.

Brutcher Trans, Order No. 2115, \$1.20.

KORSHUNOV, I. A.
SAZANOVA, L. N.

ZAVODSKAYA LABORATORIYA, vol 13, No 10, 1947

Polarographic Method Applied to the Analysis of Zinc
Plating Baths.

Brutcher Tr 2089, \$1.60

Brutcher

Method for Determination of the Toughness of
Materials in Lump Form, by K. I. Siskov.

RUSSIAN, per, Zavod Lab, Vol XIII, No 10,
1947, pp 1202-1205.

Dept of Int
US Bur of Mines
Br of Bituminous Coal Res
Washington. No 58

Sci - Engr

Apr 59

84,635

Method of Determination of Caking Time and Thermal
Diffusivity of a Coke Oven Charge, by B. I. Kuzov,
I. A. Nageliovich.

RUSSIAN, per, Sovetskaya Laboratoriya, Vol. XIII,
No 10, 1947, pp 1205-1209.

Henry Krutcher Tr 2148
Dept of Interior
US Bur of Mines
Central Experiment Station
Pittsburgh, Pa.

Sci - Mgr
May 59

87,578

SHKHXIN, P.V.
D'YACHKOV, V.I.

SAVED. IAB. vol 13, 1947, No 10, pp 1260-1261

Microprocesses for Determination of Fusion Point of Slags

Butcher Trans 2265, \$1.30

Soviet Electron Microscope, by V. N. Vertsner.
RUSSIAN, per, Zavodskaya Laboratoriya, Vol 13,
No 11, 1947, pp 1364-1375.
NLL 5828.4F (11735)

Sci - Mat
Sept. 67

340,373

GOLIKOV, I.N.

ZAVOD. IAB. vol 13, 1947, No 12, pp 1435-1440

Method of determining the temperature range of the A_{c1}
transformation in steel

Butcher Trans 2083, \$2.65

Application of Mathematical Statistics to the Evaluation of the Results of Chemical Analysis, by G. S. Blyukher.

RUSSIAN, per, Zavod Lab, Vol XIII, No 12, 1947.

Brutcher Tr No 2143

14,918

Scientific - Mathematics

\$3.90

Measurement of Temperature of Molten Iron With Immersion Thermocouples, by N. A. Voronova, P. P. Bondarovich.

RUSSIAN, par, Zavod Lab, Vol XIV, No 2, 1948.

Brutcher Tr No 2253

15,852

Scientific - Min/Metals

\$3.15

The Use of Solid Electrodes in Polarography, by
E. M. Skobets, L. S. Beronblyun, N. N. Atamanenko.

RUSSIAN, no per, Zavod Lab, Vol. XIV, No 2, 1948,
pp 131-137.

AFC
-AMB-Tr 515

Scientific - Physics
(See also: ~~Ref~~ U-927 (Collated Report); Bratcher
2229; 2231; 2140; AEC 358 or Bratcher 2230, for
complete translations of related articles.

15,501

Dipping Solid Electrode and Its Uses in Polarography
Yu. S. Lyalikov, V. I. Karmazin.

RUSSIAN, per, Zavod Lab, Vol XIV, No 2, 1948, pp 138-
5.

AEC Tr 358
(Brutcher 2230, 3.90)

Scientific - Physics

Also: AEC 515, Brutcher 2229, 2231, 2140;

Ref U-927 (collated report) for complete translation
related articles.

15,498

Identification of Solid Dipping Electrode to Analysis
Melts, by Yu. S. Lyalikov, V. I. Karmazin, 12 pp.

SSIAN, per, Zaved Lab, V ol XIV, No 2, 1948,
144-148.

Summ. 59/3155

Brutcher Tr 2231, \$3.90

OTS TR-63-20445

Scientific - Physics

Also: U-927 (Collated Report); Brutcher 2229,
EO or AEC 358, 2140, AMC 515 for related
articles/

15,499

Simple Method of Determining Depth of Location of
Defects by Fluoroscopy and Radiography, by Sh. S. Manevich,
B. V. Borshchev

RUSSIAN, *Izv. Zavod Lab*, Vol XIV, No 2, 1948,
pp 202-203.

Brutcher Tr No 2741

Scientific - Physics

\$1.80

15,801

Apparatus for Maintaining Very Low Constant Temperatures, by N. N. Koshkin.

RUSSIAN, per, Zavod Lab, Vol XIV, No 2, 1948, pp 251-252.

Brutcher No 2140, \$1.50

Scientific - Physics

See Also: (U-927(collated report)); Brutcher 2229; 2230 or AEC 358; AMC 515 for related articles.

15,205

Oreshko, V. I.
EEN NIEUWE METHODE VOOR DE BEPALING VAN
HET VERMOGEN VAN KOLEN TOT ZELFONTBRAN-
DING (Estimation of the tendency of coal to self-
inflammation), tr. by G. J. M. Fritchy, 8 p. 2 refs.
MTWL: 469. (Text in Dutch).
Order from OTS or ETC \$1.55 61-17034

Trans. of Zavodskaya Laboratoriya (USSR) 1948,
v. 14, p. 290-296.

DESCRIPTORS: *Coal, Inflammable materials.

61-17034

- I. Oreshko, V. F.
- II. MTWL-469
- III. Stichting Moelijk
Toegankelijke Wetenschap-
pelijke Literatuur.

Office of Technical Services

Measurement of the Diffusion Coefficient in Steels
and Fe-alloys, by M. Ye. Blanter.
RUSSIAN, per, Zavodskaya Laborat, Vol 14, 1948,
pp 296-306.
*CPSTI TT 70-59099

Sci- *phya*
June 70

Problem of Determining the Brittle Strength of
Metals, by V. S. Smirnov, 8 pp. UNCL

RUSSIAN, per, Zavod Lab, No 3, 1948, pp 326-330.
9660860

ATTC MCL-535/III

Sci - Min/Met

Apr 61

147,791

IS 40347 - item 19

Determination of Indium in Lead Bearings,
by Z. S. Mukhina.
RUSSIAN, per, Zavod Lab, Vol XIV, No 3, 1948, p 354.
Navy 3972/NRL 995

Sci-M/M
Feb 65

274,174

New Electro-Mechanical Metal Working Methods in
Laboratory Practice. by L E. Popelov, 11 pp.

RUSSIAN, Zavod Lab, Vol 14, 1948, pp 358-361.

Sci Museum No 51/2747

Scientific - Metals

Thermo-Electric Method of Analysis of Carbon Steels
for Silicon, by M. N. Nikitenko.
RUSSIAN, per, Zavod Lab, No 3, 1948, pp 365-367.
BISI 9478

Nov 71

Polarographic Determination of Methyl Acrylic
Ester, by M. B. Neiman, M. A. Shubenko, 5pp
RUSSIAN, per, Zavodskaya Lab, Vol 14, 1948, pp 394-
396
SIA TT-64-20556

Sci - Chem
June 67

328,880

63-22826

Vil'komirskii, I. E., Val'dman, G. F., and
Novak, A. G.
CONSTRUCTION OF LABORATORY CELL FOR
DETERMINING EFFECT OF ELECTRODE SPACING
UPON CURRENT YIELD. [1963] 6p (figs omitted)
Order from K-H \$6.00 K-H 3737 b

Trans. of Zavodskaya Laboratoriya (USSR) 1948,
v. 14, no. 4, p. 503-504.

DESCRIPTORS: Laboratory equipment, Construction,
Electrodes, Electric currents, *Electrolytic cells.

I. Vil'komirskii, I. E.
II. Val'dman, G. F.
III. Novak, A. G.
IV. K-H-3737-b
V. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

TT-64-16116

(Engineering--Electrical, TT, v. 10, no. 12)

Office of Technical Services

Method of Determining the State of Carbon in Steel,
by Yu. A. Klyachko, M. M. Shapiro, 2350 ~~words~~ words.

RUSSIAN, per, Zavodskaya Laboratoriya. Vol XIV, No 3,
1948, pp 549-553.

26,729

Brutcher No 3457
\$4.70

Scientific - Minerals/metals

Sep 55

Conditions, by N. M. Popova, M. F. Rybina,

RUSSIAN, per, Zavod Lab, Vol XIV, No 5, 1948,
pp 555-557.

27,828

Brutcher Tr 3567

Min/Physics

Oct 55 GTS

Scientific - ~~Physics~~, Chemistry

Spectroanalysis of Slags, by N. V. Buyanov.

RUSSIAN, per, Zavod Lab, Vol. XIV, No 5, 1948, pp 565-570.

Brutcher Tr No 2169

16,820

Scientific - Min/Metals

\$4.35

Determination of the Percentage ⁽¹⁰⁾ Carbon Monoxide
in Air by Combustion in a Furnace, by A. G. ~~Bogdanov~~
~~Bogdanov~~ Bogdanenko.

RUSSIAN, no per, Zavod Lab, Vol XIV, No 5, 1948
pp 623, 624.

Res Info Sv R.597

Scientific - Chemistry

Feb 58

31, 214

POPOVA, M. H.
PLATONOVA, A. F.

Izvestiya Laboratoriya, vol. 11, 1948, No. 6, pp.
658-661; 3 tables, 1800 words.

Determination of Chromium and Iron Carbides in Austenitic
Cr-Ni Steels.

Bratcher Trans., Order No. 2313, \$1.70

Time Consumed in Analysis at Chemical Laboratories,
by A. G. (M) Bogdanchenko,

RUSSIAN, per, Zavod Lab, Vol XIV, No 6, 1948,
pp 749-750.

Brutcher Tr Order No 2308,
\$1.50

Scientific - Min/Metals

15,164

Second Type of Polarographic Maximum and Its
Method of Application to Analytic Chemistry,
Part 3, by T. A. Kryukova,
RUSSIAN, per, Zavodskaya Laboratoriya, Vol 14,
No 7, 1948, pp 767-772.
NLL 5828.4F (11733)

Sci - Chem
Sept. 67

340,146

Application of Solid Electrodes in Polarography,
Part 3, by E. M. Skobets, et al.
RUSSIAN, per, Zavodskaya Laboratoriya, Vol 14,
No 7, 1948j, pp 772-777.
NLL 5828.4F (11732)

Sci - Chem
Sept. 67

340,142

A Rapid Electrometric Method of Determining
Aluminium in Ores, by S. K. Chirkov.

RUSSIAN, per, Zavod Lab, Vol XIV, No 7, 1948,
pp 783-787.

HLL Ref: 5828.4 1963 (5280)
(Loan)

Sci - Chem
Jul 63

238,134

Measuring of Impact Force with the Help of the
Electric Dynamometer, by L. D. Sokolov,
L. P. Zaitsev.
RUSSIAN, per, Zavod. Lab. Vol 14, No 7, 1948,
pp 843-847.
CRL/D.648

sci/ mechan engr
aug 69

389,683

61-13436

Chuprinin, P. I.
METHOD OF OBTAINING HIGH VACUUM AT SPEED.
tr. by V. Burbury. 18 July 50 [5p. (2 figs. omitted)]
T/L 717: [DSIR LLU] M 2079.
Order from LC or SLA m\$1.80, ph\$1.80 61-13436

Trans. of Lav[odskaya] Lab[oratoriya] (USSR) 1948
[v. 14] no. 7, p. 882-883.

I. Vacuum apparatus--Design
1. Chuprinin, P. I.
II: Trans-T/L-717
III: DSIR LLU M. 2079

100590

Office of Technical Services

(Chemistry--Physical, TT, v. 5, no. 12)

Burmistrov, S. I.
THE IDENTIFICATION OF SOME ORGANIC INGREDIENTS OF RUBBER MIXES. [1961] 3p. 4 refs.
TL 1056; [DSIR LLU] M 2151.
Order from OTS or SLA \$1.10

61-13646

Trans. of [Zavodskaya Laboratoriya] (USSR) 1948.
v. 14, no. 7, p. 787.

DESCRIPTORS: *Rubber, *Organic compounds,
Identification.

Convenient methods are described for the identification of some organic ingredients of rubber compounds, using reactions carried out on a dry filter paper. A sensitive reaction is described for detecting thiuram by conversion to thiocyanide by heating with urea. (Author)

(Materials--Rubber, TT, v. 6, no. 1)

61-13646

- I. Burmistrov, S. I.
- II. Trans-T/L-1056
- III. DSIR LLU M.2151

161674

Office of Technical Services

Determination of Gases in Molten Steel During
the Heat, by V. T. Braga.

RUSSIAN, per, Zavodskaya Laboratoriya, Vol XIV,
No 9, 1948.

Brutcher Tr No 2223

Scientific - Min/Metals

\$5.40

16,505

The Application of Differential Thermography to the
Study of the Ageing Process of Aluminium Alloys, by
L. P. Luzhnikov, L. G. Berg.

RUSSIAN, per, Zavod Lab, Vol XIV(17), 1948,
pp 824-828.

F.R.I. No 37
Fulmer Research Institute
Tr No 37 OT/422

Scientific - Physics, thermography, aluminium, alloys

Index Aeronauticus

SHASHKOV, A. N.

H 8

Zavodskaya Laboratoriya, col. 14, 1948, p. 1017;
450 words.

Treatment of metallographic specimens with
paraffin wax.

AEC - list dtd. 20 Jan 50.

Brutcher, Trans. Order No. 2199, \$1.20

Speedier Sampling of Pig Iron in Blast Furnace
Operation, by A. G. Bogdanenko.

RUSSIAN, per, Zavod Lab, Vol XIV, No 9, 1968,
3 figures, 4 tables, 2900 words, pp 1064-1069.

Brutcher Tr Order No 2219
\$3.90

Scientific - Min/Metals

15,163

The Basis of Quantitative Molecular Analysis
by the Method of Combination Scattering of
Light (Raman Effect), by M. M. Sushchinskiy.

RUSSIAN, no per, Zavod Lab, Vol. XIV, 1948,
pp 1070-1079.

AEC Tr. 1008
DRB TT 238

Scientific - Physics Nov 1951 CTS

20,330

TAHARAEV. N. V.

Zavodskaya Laboratoriya, vol. 14, 1948, pp. 1131-1132, 1 table, 900 words.

Rapid Method for Carbon Dioxide, Calcium Oxide, and Magnesium Oxide in Dolomites.

Butcher Trans, Order No. 2279, \$ 1.50.

Determination of Molybdenum in High Chromium Steels,
by E. I. Granberg, M. O. Ashkenazi.

RUSSIAN, per, Lavod Lab, Vol XIV, 1948, p 1133.

Brutcher: Tr No 2372

Scientific - Minerals/Metals

\$1.20

14,539

COLIK, A.Z.

ZAVOD LAB. vol 14, No 10, 1948

Indications obtained with Herty's device

Brutcher Trans 2235, \$1.20

AFONSKII, I. F.

Zavodskaya Laboratoriya, vol. 14, 1948, No. 10,
pp. 1262—1267; 2 figures, 800 words;

Laboratory Determination of Critical Rate of
Quenching.

Brutcher Trans, Order No. 2224, \$ 1.40.

Uses of Ultrasound in Technology and Physics, by
S. Ya. Sokolov,

RUSSIAN, per, Zavod Lab, Vol XIV, No 11, 1949,⁸
pp 1328-1335.

CG CCT-1504B

Brutcher Tr No 3029
\$5.80

Scientific - Physics

Feb 55 CTB

21,073

CCT-1504B

Application of Solid Electrodes in Polarography.
IV. Solid Electrode Moving in a Straight Line,
by E. M. Skobets, et al.

RUSSIAN, per, Zavodskaya Laboratoriya, Vol 14,
No 11, 1948, pp 1307-12.

NLL 5828.4F (11800)

Sci - Chem
Sept. 67

340,148

Spectroscopic Determination of Columbium in Stainless Steel, by V. I. Blinov.

RUSSIAN, ~~ENG~~ Zavod Lab, Vol XIV, No 12, 1948,
pp 1494-1513.

Brutcher Tr No 2630

Scientific - Min/Metals

\$1.50

14,929

The Determination of the Rheological Characteristics
of Liquids Having a Structure, Using a Rotational
Viscometer, by Panich R. M., and Voyutskiy, S. S.

RUSSIAN, paper, Zavodskaya Laboratoriya, 1948, Vol 15,
pp 550-553.

Sci Museum Lib No 50/2713

The Influence of Temperature on the Form of Polarograms,
by Shchegolev, B. M., Taruv, P. P., and Ryabokon', V. B.

REB1113, par, Zavodskaya Laboratoriya, 1946, No 15,

pp 513-4.

Sci Museum Lib No 50/2571

Tafts, E.M., Letova, V.K., and Tyabina, Z.S.
OVER EEN METHODE TER CLASSIFICATIE VAN
MAGERE KOLEN NAAR HUN BAKKEND VERMOGEN
(On a method of classification of meagre coal after its
coking capacity). tr. by G.J.M. Fritschy. 6 p.
4 refs. MTWL: 468 (Text in Dutch).
Order from OTS or ETC \$1.55

61-17033

Trans. of Zavodskiy Laboratoriya (USSR) 1948,
v. 14, p. 1229-1232.

DESCRIPTORS: *Coal, Classification, Decomposition.

61-17033

- I. Tafts, E.M.
- II. Letova, V.K.
- III. Tyabina, Z.S.
- IV. MTWL-468
- V. Stichting Moeilijk
Toegankelijke Wetenschap-
pelijke Literatuur.

Office of Technical Services

TIKHONOVA, A. A.

ZAVODSKAYA LABORATORIYA, vol 15, 1949

Photocolormetric Determination of Molybdenum in Alloy
Steels

Brutcher Tr 2426, \$1.50

Determination of Tungsten and Columbium in Steel, by
L. M. Buđanova, K. D. Gavrilova.

RUSSIAN, per, Zavod Lab, Vol XV, 1949, pp 7-11.

Butcher Tr No 2419

Scientific - Min/Metals

\$3.85

16,715

V
Rapid Colorimetric Method for the Determination of
Tungsten in Steel, by A. G. Bogdanchenko, A. D.
Sapir.

RUSSIAN, per, Zavod Lab, Vol XV, 1949, pp 11-15.

Butcher Tr No 2445

Scientific - Min/Metals

\$3.35

15,896

KONNILOV, I. I.

Zavodskaya Laboratoriya, vol. 15, 1949, No. 1, pp.
76-82; 6 figures, 3400 words.

Centrifugal Method for Studying Metals and
Alloys for High Temperature Strength.

Butcher Trans, Order No. 2470, \$5.85.

Cell for the Measurement of Water Permeability of
Lacquer-Print Films, by A. Ye. Korolev, 5 pp.

RUSSIAN, per, Zavod Lab, Vol XV, No 1, 1949,
pp 120-122.

CIA/RDD/X-1189

Scientific - Chemistry
CTS/DEX

9179

Electron-Microscope Investigation of the Structure
of Steel, by N. N. Buinov, R. M. Lerinman, 12 pp.

RUSSIAN, per, Zavod lab, Vol XV, No 2, 1949, pp
167-170.

Brutcher Tr 2602

NLL M.2841

9182

Scientific - Minerals/Metals, metallurgy
CTS/DEX

Price \$5.30

4

EO-13579

Chizhikov, Yu. M.
EVALUATION OF THE PLASTICITY OF METALS
AND ALLOYS AS REGARDS CONDITIONS OF HOT-
SHAPING BY PRESSURE. Mar 50 [11]p. 5 refs
BISI-395; (DSIR LLU)M 238.
Order from OTS or SLA m\$1.60 EO-13579

Trans. of Zavodskaya Laboratoriya (USSR) 1949,
v. 15 (no. 2) p. 191-199.

DESCRIPTORS: *Metals, *Alloys, *Plasticity, Tests,
Processing, Pressure.

(Metallurgy, TT, v. 6, no. 1)

I Chizhikov, Yu. M.
II BISI-395
III DSIR LLU M. 238
IV British Iron and Steel
Industry Translation
Service

161571

Office of Technical Services

SHAPIRO, M. M.
GRABAROVAKAYA, R. E.

Zavodskaya Laboratoriya, vol. 15, 1949, pp. 259-264;
3 tables, 2600 words.

Analysis of Nonmetallic Inclusions in Alloy Steels.

Butcher Trans, Order No. 2438, \$4.45

2ar Lab

Vol 15, pp 264-266 (1949)

Determination of Chemical Composition
of Iron Carbide in Steel

A. M. Papova

Butcher Trans. # 2447

POPOVA, H. H.
PLATONOVA, A. P.

Zavodskaya laboratoriya, vol. 15, 1949, pp. 267-269; 2 t.
tables, 950 words.

Carbide Determination in (Austenitic) Chromium-Nickel
Steels Containing Molybdenum or Tungsten.

Butcher Trans., Order No. 2451, \$1.60

CHERNIKOVA, E. E.

Zavodskaya Laboratoriya, vol. 15, 1949, No. 3, pp.
275-277; 1 figure, 1 table, 1500 words.

Method for Determining Nonmetallic Inclusions In
Austenitic 18-8 Ti Steel.

Butcher Trans, Order No. 2339, \$2.25.

Preparation of Silver Chloride Specimens for
Deformation Studies by Optical Methods, by
S. O. Tsobkhallo, 8 pp.

RUSSIAN, per, Zavodskaya Lab, Vol XV, 1949,
pp 338-345.

ABC Tr 2421

Assoc Tech Sv Tr 9966R

Scientific - Chemistry
CIS 73/Oct 1955

27, 141

Measurement of Temperature of Salt Baths, by N. I. Bychkov.

RUSSIAN, per, Zavod. Lab, Vol XV, No 3, 1949,
pp 374, 375.

Brutcher Tr No 2330

16,698

Scientific - Min/Metals

\$1.20

Method of Measuring E.M.F. Generated by Friction
and Wear and Tear, by M. L. Goldovski, 2 pp.

RUSSIAN, per, Zavod Lab, Vol XV, No 3, 1949,
p 380.

CIA/FDD/X-1172

Scientific - Engineering
CT8/DEX

Also Brutchar Tr, No 2336
Price \$1.00

8504

Polarographic Method for Analyzing Benzanthrone
and Anthraquinone, by Yu. I. Vaynshteyn, 6 pp.

RUSSIAN, per, Zavod Lab, Vol XV, No 4, 1949,
pp 411-413.

CIA/FDD/X-1215

Scientific - Chemistry
CTB/DMX

9880

Polyvinylformal Analysis, by L. S. Soloveychik,
E. M. Novikova, 3 pp.

RUSSIAN, per, Zavod Lab, Vol XV, No 4, 1949,
pp 418-419.

CIA/FDD/X-1214

Scientific - Chemistry
CTS/DEX

9879

Testing Materials for Durability, by S. A.
Maslov, 4 pp.

RUSSIAN, per, Zavod Lab, Vol XV, No 4, 1949,
pp 464-465.

CIA/FDD/X-1239

X-256'36

Scientific - Minerals/Metals
CTS/DEX

Also Sci Mus Lab 50/1017 and
Brutcher Tr 2347, \$1.50

9873

Determination of Chromium and Nickel in Steel Without
the Use of Silver Nitrates, by A. G. Bogdanenko.

RUSSIAN, Per. Zavod Lab, Vol XV, 1949, pp 474-477.

Brutcher Tr No 2436

Scientific - Min/Metals

\$2.70

14,766

Journal of the Electrochemical Society Vol. XV, No. 5, pp 517-22 (1949)

Amperometric Determinations of Some Basic
Components of Electrolytes of Baths for the
Electro-Deposition of Metals.

N. G. Chernykh, N. N. Kuz'mina
A. N. Galkin, B. Ya. Starik

Avail @ Sci Museum - 50/6511

B. Brit

Available @ B. N. L. AEC 12 461

Potentiometric Determination of Chlorides in an Ammoniacal Medium When Bromides and Iodides are Present, by M. B. Shchigol', 11 pp.

RUSSIAN, per, Il Zavod Lab, Vol XV, No 5, 1949, pp 523-528.

CIA/FDD/SX-1279

CTS 62-18206

Scientific - Chemistry
CTS/DEX

11, 166

DSIR/H11/CT 11, 166

Potentiometric Determination of Chlorine in the Presence of Sulfur Dioxide, by M. P. Berkovich, G. S. Luzina, H

RUSSIAN, ~~Sci. Bull.~~ Zavod Lab, Vol XV, No 5, 1949, pp 534-537.

AEC Tr 456
Sci Mus Lib 50/0390
CSIR/42175/CT

15,820

Scientific - Chemistry

June 1951 CTS

A Cone-Type Rotary Viscometer, by K. F. Zhigach, D. E. Zlobnik, 9 pp.

RUSSIAN, per, Zavod Lab, Vol XV, No 5, 1949, pp 542-547.

CIA/FDD/X-1266

Scientific - Physics
CIS/DEK

10,813

28/7/49 CT

Comparison of Rotary and Capillary Viscometers, for
Determining Viscous Properties of Lubricating Oils
at Low Temperatures, by V. L. Val'dman, A. M.
Fonina, 6 pp.

RUSSIAN, per, Zavod Lab, Vol XV, No 5, 1949,
pp 547-549.

CIA/FDD/X-1274 11,026

Scientific - Physics
CTS/DEX

10/17/50
10/25/50